Table 8: \mathbf{Pol}

M	Ab ID	HXB2 Location	Author's Location	Sequence	Neutral- izing	Immunogen	Species (Isotype)
215 12	Vaccine:	References: 12: BALBcm – the Zn finge 12: Used for activity occur	[Bizub-Bender (1994), Lenice were immunized with er motif is in the binding the creation of single-cl	HIV component: Integrase evy-Mintz (1996)] rec integrase, hybridomas expreregion – MAbs 12, 13 and 35 for a nain variable antibody fragment ether the Ab is expressed in the	orm a competition grouts (SFvs) for internal	p [Bizub-Bender (19) cellular expression –	94)] neutralization of Integrase
216 13	Vaccine:	References: 13: BALBcm	[Bizub-Bender (1994)] nice were immunized with	HIV component: Integrase rec integrase, hybridomas expre region – MAbs 12, 13 and 35 for			
217 14	Vaccine:	References: 14: BALBcm	[Bizub-Bender (1994)] nice were immunized with	HIV component: Integrase rec integrase, hybridomas expre region – MAbs 14 and 17 form			
218 16	Vaccine:	References:	[Bizub-Bender (1994)] nice were immunized with	HIV component: Integrase rec integrase, hybridomas expre	no ssing anti-integrase Ab	Vaccine s were generated, and	murine(IgG2a) the antibodies characterized
219 17	Vaccine:	References: 17: BALBcm – the Zn finge 17: Used for activity occur	[Bizub-Bender (1994), Lonice were immunized with er motif is in the binding to the creation of single cl	HIV component: Integrase evy-Mintz (1996)] rec integrase, hybridomas expreregion – MAbs 14 and 17 form nain variable antibody fragmentether the Ab is expressed in the	a competition group [Ets (SFvs) for internal	Bizub-Bender (1994)] cellular expression –	neutralization of Integrase

Table of HIV MAbs

220 10	Vaccine:	Pol() RT(431–521) Vector/type: recombinant protein References: [Ferns (1991)] 1C12B1: Recognized both p66 and 1C12B1: UK Medical Research C	HIV component: RT d p51 in Western blot, binds to C tern	ninus [Ferns (1991)]	Vaccine	murine()
221 21	Vaccine:	[Bizub-Bender (1994)] 21: Used for the creation of sing	HIV component: Integrase	(SFvs) for internal	cellular expression	n – neutralization of Integrase
222 32	Vaccine:	Pol() Integrase(259) Vector/type: recombinant protein References: [Bizub-Bender (1994) 32: BALBc mice were immunized v — MAbs 32 and 33 form a competi	HIV component: Integrase)] with rec integrase, hybridomas express	no ing anti-integrase Ab	Vaccine os were generated, a	murine(IgG2b)
223 33	Vaccine:	Pol() Integrase(259–288) no Vaccine murine(IgG2b) *Vector/type: recombinant protein *HIV component: Integrase *References: [Bizub-Bender (1994), Levy-Mintz (1996)] *33: BALBc mice were immunized with rec integrase, hybridomas expressing anti-integrase Abs were generated, and the antibodies characterized – MAbs 32 and 33 form a competition group [Bizub-Bender (1994)] *33: Used for the creation of single chain variable antibody fragments (SFvs) for internal cellular expression – neutralization of Integrase activity occurs prior to integration, whether the Ab is expressed in the nucleolus or the cytoplasm – relative binding affinity to IN: 12 > 17 = 33 > 21 > 4 [Levy-Mintz (1996)]				
224 35	Vaccine:	35: BALBc mice were immunized	HIV component: Integrase	ing anti-integrase Ab	os were generated, ar	nd the antibodies characterized
225 3E	Vaccine:	Pol(dis) RT(dis) Vector/type: vaccinia HIV con	nponent: RT		Vaccine	murine(IgG2a)

3 Cell

References: [Chiba (1997)]

•	3D12: Then	e is an anti-N	ef MAb that	also has this nam	e (see [Chiba (1997)])
-	3D 12. I IICI	c is an and i	CI IVII IO HIM	and mad and main	c (500 Ciliba (1777))

226 3F10 <i>Vaccine:</i>	Pol(dis) RT(dis) Vector/type: vaccinia HIV component: RT References: [Chiba (1997)]		Vaccine	murine(IgG2a)
•	Pol() Integrase(141–172) Vector/type: recombinant protein HIV component: Integrase References: [Bizub-Bender (1994), Levy-Mintz (1996)] 4: There is another MAb with this ID that reacts with gp41 [Oldstone (1991)] 4: BALBc mice were immunized with rec integrase, hybridomas expressing at – 4 has a low binding affinity [Bizub-Bender (1994)] 4: Used for the creation of single chain variable antibody fragments (SFvs) fo occurs prior to integration, whether the Ab is expressed in the nucleolus or th 4 [Levy-Mintz (1996)]	nti-integrase Al	os were generated, an	tralization of Integrase activity
228 6B9 <i>Vaccine:</i>	Pol(dis) RT(dis) Vector/type: vaccinia HIV component: RT References: [Chiba (1997)]		Vaccine	murine(IgG2a)
229 7C4 <i>Vaccine</i> :	Pol(dis) RT(dis) Vector/type: vaccinia HIV component: RT References: [Chiba (1997)] 7C4: Dose-dependent inhibition of polymerase activity of RT of strains IIII strains MAC or MND [Chiba (1997)]	B, Bru and IMS	Vaccine S-1, but not HIV-2 s	murine(IgG1) strains GH-1 or LAV-2 or SIV
	Pol() RT() References: [di Marzo Veronese (1986), Maciejewski (1995), Wainberg & Conti-HIV-1 RT: Cloned heavy and light chains to express Fab intracellular cross-reactive with clinical strains and even HIV-2 [Maciejewski (1995)] Commentary on Maciejewski <i>et al.</i> [Wainberg & Gu(1995)]	, , -	HIV infection in v	murine(IgG) itro – this MAb was broadly
231 polyclonal <i>Vaccine:</i>	Pol() p55() Vector/type: virus-like particle HIV component: Pr55gag, anchored gp1: References: [Wagner (1998)]	no 20, V3+CD4 li	Vaccine near domains	Rhesus macaque()

Table of HIV MAbs

	 Donor: B. Ferns and R. Tedder References: [Ferns (1991)] RT7U: Has a conformational epitope – reacts with p66 and p51 in WB [Ferns (1991)] RT7U: UK Medical Research Council AIDS reagent: ARP380 	l	
236 RT7U <i>Vaccine:</i>	Pol(dis) RT(dis 231–315) Vector/type: recombinant protein HIV component: RT	Vaccine	murine()
•	Donor: B. Ferns and R. Tedder References: [Ferns (1991)] RT7O: Conformational epitope located centrally in the protein – inhibited RT enzyme enzyme [Ferns (1991)] RT7O: UK Medical Research Council AIDS reagent: ARP381	activity and thus may bind	d close to the active site of the
235 RT7O Vaccine:	Pol() RT(231–315) Vector/type: recombinant protein HIV component: RT	Vaccine	murine(IgG1)
234 RT-4	Pol() RT() no References: [Li (1993), Gu (1996)] • RT-4: Increased nevirapine and delavirdine inhibition, no effect on AZT inhibition [G		murine(IgG2b)
233 polyclonal Vaccine:	Pol() RT(203–219) Vector/type: Salmonella HIV component: RT References: [Burnett (2000)] • A live attenuated bacterial vaccine, Salmonella SL3261-pHART, with an inserted HIV induced a lymphoproliferative Th response and fecal RT-specific IgA in BALB/c mice		murine(IgA) pp-OmpA-HIV fusion protein,
232 polyclonal Vaccine:	Pol() RT() Vector/type: DNA HIV component: Gag, Pol, Vif, Env Stimulatory Agents: I References: [Kim (1997)] A gag/pol, vif or CMN160 DNA vaccine, when delivered in conjunction with the p IL-12, gave a dramatic increase in both the cytotoxic and proliferative responses in magnetic states.	plasmid encoding the co-s	•
	A VLP is a non-infectious virus-like particle self-assembled from HIV Pr55 gag – 1 gp120 or V3+CD4 linear domains – gag and env CTL specific CTL were stimulated in elicited, but the gp120 neutralizing response occurred only with whole gp120, not V3 macaques were infected by intervenous challenge with SHIV chimeric challenge stock Pol() RT()	n each case, and Ab respond 3+CD4 – despite the CTL k [Wagner (1998)]	nse to gag and gp120 and wa and Ab response, immunize